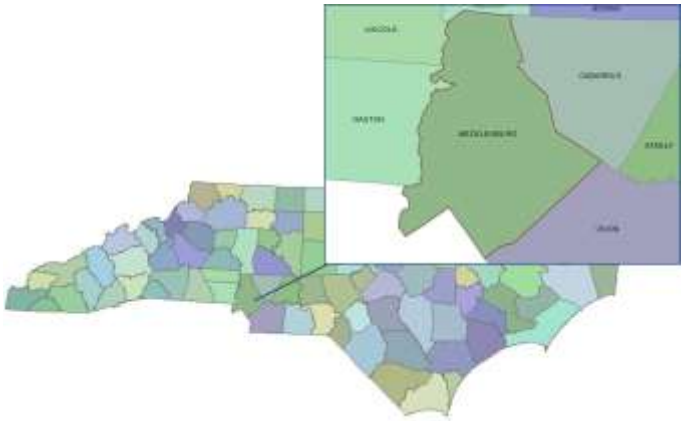

Mecklenburg County

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromomethane	48	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	48	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	1,934	0.5	15	1.2	10	µg/L	4	0.21%		
Barium	1,532	50	50	50	2,000	µg/L	0	0.00%		
Benzene	48	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	1,531	0.5	5	1.8	5	µg/L	0	0.00%		
Chromium	1,532	0.5	80	5.2	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	132	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	1,925	18	7,780.00	154.90	1,300*	µg/L	42	2.18%		
Ethylbenzene	60	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	2,989	100	3,000.00	273.40	4,000*	µg/L	0	0.00%		
Iron	1,913	25	58,560.00	506.60	300*	µg/L	348	18.19%		
Isopropyl Ether	48	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	2,061	2.5	703	5.8	15	µg/L	88	4.27%		
Magnesium	1,925	2,100	2,300.00	2,165.20	No drinking water standard	µg/L				
Manganese	1,925	15	5,200.00	45.80	50*	µg/L	201	10.44%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	1,528	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	162	0.25	2	0.27	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	773	500	38,430.00	1,432.30	10,000	µg/L	0	0.00%		
Nitrite	792	50	50	50	1,000	µg/L	0	0.00%		
pH	1,925	4.6	9.5	7.1	6.5-8.5*	standard units	10	0.52%	114	5.92%
Selenium	1,532	0.3	24.4	2.5	50	µg/L	0	0.00%		
Silver	1,528	25	25	25	100*	µg/L	0	0.00%		
Sodium	1,524	1,000	839,000.00	16,764.30	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	120	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	50	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	130	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	130	0.25	4.9	0.31	5	µg/L	0	0.00%		
Vinyl chloride	130	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	48	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	1,912	25	26,000.00	367.00	5,000*	µg/L	34	1.78%		

* **Secondary MCL**: Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.[8] The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.[8]

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

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